A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000166-02

THE CITY OF DUBOIS MUNICIPAL WASTEWATER TREATMENT PLANT, DUBOIS, IDAHO AND IN TOWNSHIP 10N, RANGE 36E, SECTION 28, IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND THE WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON (60 months from issue date).

James Johnston
Idaho Falls Regional Administrator
Idaho Department of Environmental Quality

Issued: draft

DEPARTMENT OF ENVIRONMENTAL QUALITY
Idaho Falls Regional Office
900 North Skyline, Suite B
Idaho Falls, ID 83402
Phone 208-528-2650

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

References

1. Plan of Operation (Operation and Maintenance Manual)
2. Nuisance Odor Management Plan
3. Waste Solids Management Plan
4. Irrigation schedule

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000166-02 and are enforceable as such. This permit does not relieve the City of Dubois, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch: the volume of water or wastewater to cover 1 acre of land to a depth of 1 inch; equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing season: April 01 through October 31 (214 days)
GW	Ground water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance	Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ. Located online at: http://www.deq.idaho.gov/water/permits_forms/permitting/guidance.cfm
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to reuse hydraulic management units during the growing season. The HLRgs limit is specified in Section F - *Permit Limits and Conditions*. Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in this permit. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F - *Permit Limits and Conditions*.
HMU	Hydraulic Management Unit
IWR	Irrigation Water Requirement – any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: IWR = (CU – Pe) / Ei CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration Pe is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) Ei is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million gallons (1 MG = 36.827 acre-inches)
MGA	Million gallons annually (per Reuse reporting year)
NGS	Non-Growing Season: November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation

Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse Guidance document	Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ. Located online at: http://www.deq.idaho.gov/water/permits_forms/permitting/guidance.cfm
Reuse reporting year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 reporting year was November 01, 1999 through October 31, 2000.
SAR	Sodium Absorption Ratio
SI	Supplemental irrigation water applied to the reuse treatment site.
Slow rate land application	Growing season irrigation with wastewater.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – the summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load – the sum of the individual waste-load allocations (WLA's) for point sources, load allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WW	Wastewater applied to the reuse treatment site

D. Facility Information

Legal name of permittee	City of Dubois
Type of wastewater	Municipal wastewater
Method of treatment	Facultative lagoons plus land application
Type of facility	Municipal wastewater treatment
Facility location	SE of Dubois, next to the municipal airport
Legal location	Township 10N, Range 36E, Section 28
County	Clark
USGS quadrangle map	Dubois NW quadrangle
Soils on site	A USDA soil survey of the area is not available. Soil sampling at the site show sandy loam at 6 and 8 inch depths; sandy gravels at 8 feet deep.
Depth to ground water	300 feet
Beneficial uses of ground water	Agriculture, industrial, domestic
Nearest surface water	Beaver Creek, over 400 feet distant
Beneficial uses of surface water	Agriculture, aquatic life
Responsible official	The Honorable Keith Tweedie, Mayor PO Box 27 Dubois, ID 83423 Phone & fax (208) 374-5241; email
Certified operator	Richard Hunter, Public Works Superintendent Phone (208) 374-5241

E. Compliance Schedule for Required Activities

The activities in the following table shall be completed on or before the completion date unless modified by the Department in writing.

Compliance Activity Number & Completion Date	Compliance Activity Description
CA-166-01 March 2009	A **Plan of Operation** (Operation and Maintenance Manual or O&M Manual) for the wastewater reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation should contain the applicable information in the latest revision of the Plan of Operation Checklist in the *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-166-02 April 1, 2008	**Irrigation schedules** for the slow rate application shall be reviewed by a qualified professional and revised as necessary. The recommended irrigation schedule shall be incorporated into the Plan of Operation.
CA-166-03 March 2009	Submit an **Odor Management Plan** to DEQ for review and approval. The Odor Management Plan shall include wastewater treatment systems, reuse facilities, and other operations associated with the facility. The plan shall include specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures.
CA-166-04 March 2009	Submit a **Runoff Management Plan** to the DEQ for review and approval. The Plan shall describe control structures and other Best Management Practices (e.g. – collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater reuse, except in the event of a 25 year, 24 hour storm event or greater, using the Western Regional Climate Center Precipitation Frequency Map, Figure 28 *Isopluvials of 25-YR, 24-HR Precipitation*. For the Dubois site, the 25 year, 24 hour event is 2.0 inches. Upon approval of the plan by the DEQ, the facility shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.
CA-166-05 Prior to application of waste solids	Submit a **Waste Solids Management Plan** to DEQ for review and approval. The Plan shall describe how waste solids generated at the facility will be handled and disposed of to meet the requirements of Permit Section I, No. 5.
CA-166-06 Prior to permit expiration	Perform a **seepage test** on each lagoon in accordance with the latest DEQ procedure. The maximum leakage rate for each lagoon shall be no more than zero point twenty-five (0.25) inches per day. See IDAPA 58.01.16.493 et seq. If any lagoon is found to be leaking at a rate greater than 0.25 inches per day, the facility, in accordance with a schedule negotiated with and approved by the Director, shall perform one of the following: a. Repair the leak and retest for compliance; b. Re-line the lagoon and re-test for compliance; c. Drain the lagoon in an approved manner and stop using the lagoon; or, d. Determine the impact of the leaking lagoon on the environment based on ground water sampling and modeling. Any impacts must comply with IDAPA 58.01.11 *Ground Water Quality Rule*, and IDAPA 58.01.02 *Water Quality Standards*. If the impact does not comply with 58.01.11 or 58.01.02, the facility shall follow steps a, b, or c, above.
CA-166-08 Prior to permit expiration	**Update** the Plan of Operation (O&M Manual), site maps, and any plans or procedures which have been affected by physical or operational changes at the facility.

F. Permit Limits and Conditions

The Permittee is allowed to apply wastewater and treat it on a reuse site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of wastewater	Municipal wastewater
Application site area	49 acres
Application season	Growing season only
Growing Season (GS)	April 1 through October 31 (214 days)
Non-Growing Season (NGS)	November 1 through March 31 (151 days)
Certified operator	Required. See IDAPA 58.01.02.406.
Reporting year for annual loading rates	The reporting year begins with the non-growing season and extends through the growing season of the following year.
Maximum Hydraulic Loading Rate, Growing Season (includes wastewater and supplemental irrigation water, if used)	Growing Season Hydraulic Loading Rate shall be substantially equal to the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency (See Permit Section C – *Abbreviations, Definitions*). In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined on page 5 of this permit. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
Maximum Hydraulic Loading Rate, Non-Growing Season	Non-growing season wastewater application is not permitted at this facility.
Runoff	Operate and maintain runoff control structures in accordance with the O&M manual. See compliance activity CA-166-04 in Permit Section E -*Compliance Schedule for Required Activities*.
Ground water quality	Ground Water Quality shall be in compliance with IDAPA 58.01.11 - *Idaho Ground Water Quality Rule*.
Maximum nitrogen loading	150% of typical crop uptake (see definition), in pounds / acre-year, for each HMU, from all sources including waste solids and supplemental fertilizers.
Maximum phosphorus loading	No limit on phosphorus loading. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.
Construction plans	Prior to construction or modification of all wastewater facilities associated with the reuse system or expansion, detailed plans and specifications shall be submitted to the DEQ for review and approval. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Grazing	Grazing is not allowed at this facility.
Allowable crops	Crops grown for human consumption are not allowed.
Fencing and posting	Signs shall be posted every 500 feet designating the fields as wastewater reuse areas or equivalent.
Supplemental irrigation water protection	For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices, and annual testing of those devices, are required.
Odor management	The wastewater treatment plant, reuse facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan.

Buffer Zone Distances

Disinfection level* (total coliform)	**Distance to public access**	**Distances to inhabited dwellings**	**Distance to streams**	**Distance to private water sources**	**Distance to public water sources**	**Single sample maximum total coliform level**
23/100 mL	50 feet	300 feet	100 feet	500	1000	240/100 mL

*the median value of the last five (5) sampling results must not exceed 23/100 mL. In addition, no single sample value shall exceed 240/100 mL.

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater* or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1- *Environmental Monitoring Serial Numbers*.
5) Monitoring is required at the frequency shown in the Facility Monitoring Table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) Soil monitoring procedure: use 10 sampling locations (sub-samples) on the HMU; two (2) soil samples shall be collected at each sample location, one at 0-12 inches, and one at 12-24 inches. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited. This method will yield two samples for analysis, one for 0-12 inches, and one for 12-24 inches for each soil management unit.
7) Ground water monitoring procedure: ground water monitoring wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions:
   - two successive temperature values measured at least five minutes apart are within one degree Celsius of each other,
   - pH values for two successive measurements taken at least five minutes apart are within 0.2 units of each other, and,
   - two successive specific conductance values measured at least five minutes apart are within 10% of each other.

   This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
8) Annual reporting of monitoring requirements is described in Permit Section H - *Standard Reporting Requirements*.
9) Surface water sampling guidance: DEQ to review and approve methods, timing and locations for sampling prior to initial sampling event.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Wastewater to reuse flow meter	Volume of wastewater	Gallons per month and acre*inches per month applied to each HMU.
	Irrigation flow meter or calibrated pump	Volume of supplemental irrigation water	
Weekly (when land applying)	Wastewater discharge point	Wastewater grab sample	Total Coliform
Monthly (when land applying)	Wastewater to reuse discharge point	Wastewater grab sample	TKN, TDS, total phosphorus, pH, nitrate + nitrite nitrogen
Each Harvest	Hydraulic Management Unit	Crop data	1.Crop type; 2. Crop moisture; 3. Crop harvests per year; 4. Crop yield per harvest in total pounds, and in tons/acre, lb/acre, or bushels/acre.
		Plant tissue analysis: composite (green) sample of each harvest.	Nitrate-nitrogen, Total Kjeldahl nitrogen, total phosphorus, ash, moisture.
		Calculate crop nitrogen, phosphorous, and ash removal	lb/acre and total pounds per HMU (dry basis)
Annually	Supplemental irrigation at diversions	Grab sample	TKN, nitrate, nitrite, TDS, pH, total phosphorus
	Hydraulic management unit	Calculate irrigation water requirement for crop to be grown	Volume in inches per acre and total gallons foe each month
		Acres used for reuse	Acres
		Report total nitrogen and phosphorus load from wastewater, fertilizer, and all other non-wastewater application.	Nitrogen and phosphorus applied in lbs/acre*year
	Soil monitoring unit	Composite soil sample	Electrical conductivity, nitrate-N, ammonium-N, pH, plant available phosphorous, chloride, Cation Exchange Capacity

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	Irrigation pump	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system.
	All flow measurement locations	Calibration of all flow meters	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all wastewater.
First year of permit	Soil monitoring unit	Composite soil sample	SAR, DTPA-Fe, DTPA-Mn

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater Reuse Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year (see section F for reuse reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G - *Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the following DEQ Offices:

Greg Eager Engineering Manager DEQ Idaho Falls Regional Office 900 N. Skyline, Suite B Idaho Falls, ID 83402	Richard Huddleston, P.E. DEQ Wastewater Program Manager 1410 N. Hilton Boise, ID 83706 208-373-0561

4. Notice of completion of any work described in Section E - *Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G - *Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

    a. Apply wastewater as evenly as practicable to the treatment area;
    b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
    c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

    a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested to utilize the nutrients and minerals in the wastewater, and,
    b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

    a. Enter the permitted facility,
    b. Inspect any records that must be kept under the conditions of the permit.
    c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
    d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

    a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
    b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
    c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: 208-528-2650

Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Permit Section I - *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code ə 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall:

    a. participate in a pre-site closure meeting with the DEQ;
    b. develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and
    c. submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1: Environmental Monitoring Serial Numbers

Hydraulic Management Units

Serial Number	Description	Acres
HMU-1	Irrigated acreage	49

Wastewater Sampling Points

Serial Number	Description
WW-1	Post chlorination wastewater to irrigation field.

Soil Monitoring Units

Serial Number	Description	Associated HMU
SU-1	Irrigated acreage	HMU-1

Lagoons

Serial Number	Description
LG-1	Lagoon no. 1; facultative; north lagoon
LG-2	Lagoon no. 2; facultative; center lagoon
LG-3	Lagoon no. 3; storage; south lagoon

Appendix 2: Site Map